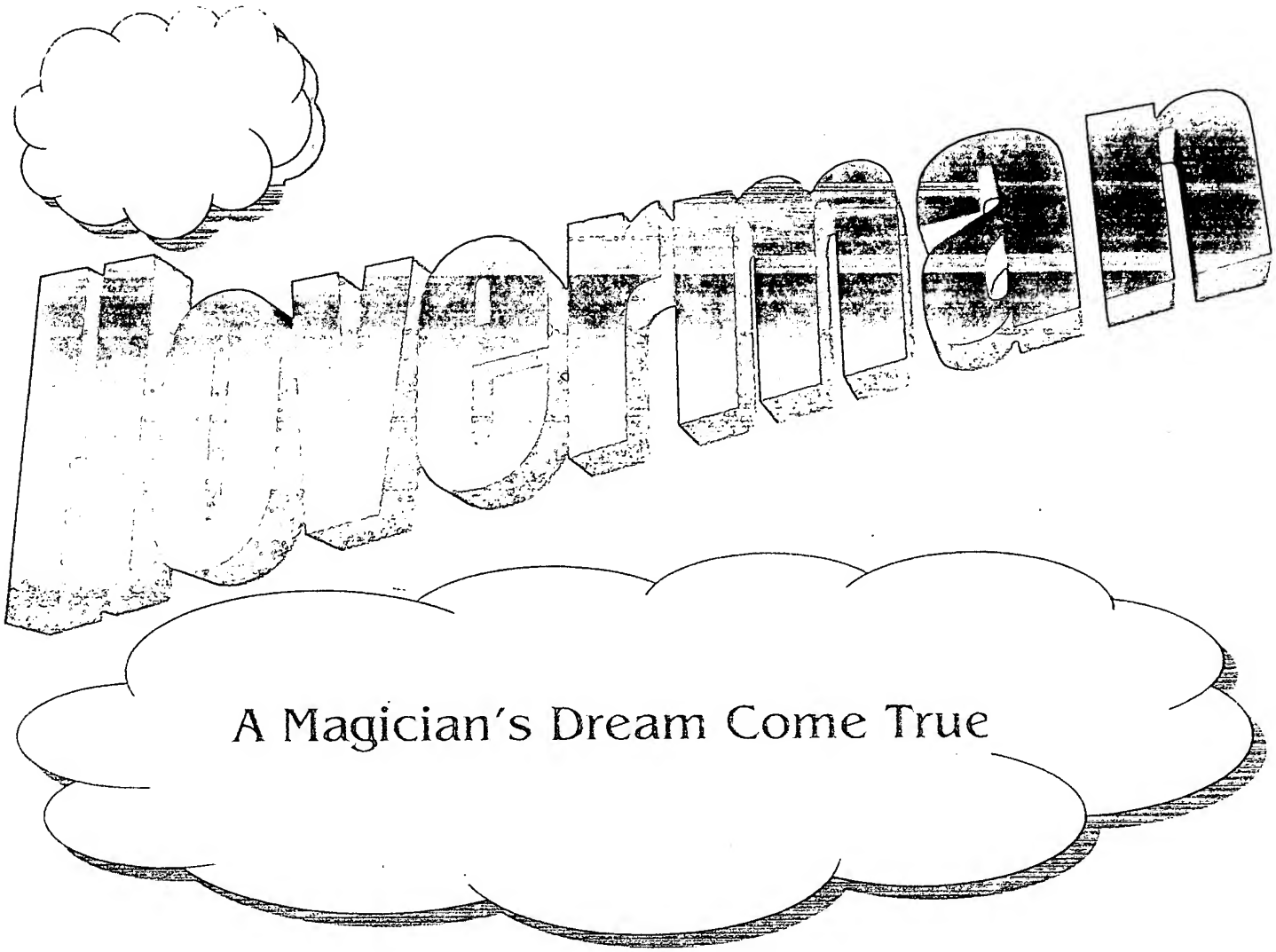

A Magician's Dream Come True

SPECIFICATION

The Hoverman

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Background of Invention

In the world of magic anything is possible, through out history it has provided a key for opening doors to do almost anything that would seem impossible to do. From card and coin tricks to mind bending instruments, they all possess the very required elements of illusion which is a way of tricking the watching eye into believing something that isn't. Levitation the illusion of a person or otherwise floating off the ground has always ranked high in capturing the amazement of the watching eye in the field of magic. Providing the levitating effect required to perform this illusion is no easy task. Up until now there hasn't been little or no mechanical means of doing so, verbal and movement manipulation, has pretty well been the only choice of path

The Hoverman

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Summary of invention

In the world of levitation The Hoverman will stand alone with it's unique new concept mainly consisting of a pair of shoes and manually controlled very light mechanical air distribution system. It will make levitation become a reality for almost anyone who wishes to take up the hobby. The Hoverman will revolutionize the future of levitation for a long long time to come.

The Hoverman

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Brief Description of Drawings

A levitation device for performing illusionary magic. Manually controlled by a three way valve switch concealed in the hand. Extending from the valve and running up the sleeve of the arm are three air lines in which the CO2 passes. One line is the supply line which comes from the CO2 tank that is strapped to the persons back with a belt and straps, the secondary line or waist line provides for the release of air pressure as the person slowly descends to the ground, the third and most important line leads down the side or back of the person eventually making its way down the pant leg to the custom made shoe which consists of a cylinder custom fitted into the heel of the shoe. Activating the three way valve switch in the person's hand immediately and slowly increases the air pressure enabling the cylinder piston shaft and platform to extend out from the heel bottom and downwards towards the ground, lifting the person four to six inches creating an illusionary floating like effect. Upon slow release of the air pressure in combination with the person's weight, the cylinder shaft is then forced back into the cylinder and shoe, which allows the person to slowly descend to the ground. With the proper amount of physical maneuvering and

control the Hoverman"s special effects will never cease to amaze the watching eye.

The Hoverman

Detailed Description

This invention relates to a manually operative device for creating a levitating illusionary effect. It is common in all other devices and techniques of this nature to create such an effect through the use of sight, verbal manipulation (misdirection), and trickery. One such device and technique requires the use of a piece of A.B.S pipe attached to a spring loaded reel which clips to the persons belt or pants. The trick here is to get the piece of A.B.S pipe under the heel of their shoe, this can be done by using their weight to flatten the pipe somewhat, then by slowly maneuvering their shoe heel over and onto the top of the pipe, they can create a somewhat hard and time consuming levitation elusion. Imagine all of this without being seen. To perform this elusion requires very good balancing and audience misdirection. It is very hard to do and does not look smooth. These techniques do have disadvantages. I find them to be inefficient, as they do not provide for a real live levitation. These techniques largely depend on body positioning and verbal manipulation (misdirection) which must all play an important roll in creating the effect. If one or more of these natural and physical tools are missing the end result could be a complete disaster. I have found

that these disadvantages may be overcome by creating a manually controlled, mechanical working, levitation device, the strategy behind this concept is that it actually lifts the person upwards off the ground through mechanical means, creating a real levitation effect, without the use of any trickery such as sight or verbal manipulation (misdirection) which is required by other more conventional techniques. The device comprised of a two and one half inch by nine inch CO2 supply tank, three one eighth inch wide polyurethane lines, a hand held three way valve switch, and a pair of shoes, one containing a small shoe cylinder custom fitted into the heel, is light weight, very adaptable, easily assembled, and is generally fitted and concealed under the person's garments. The device applies a very different and unique technique, in providing the actual lift that is required to complete the levitation effect. This levitation device more overly called the Hoverman, consists of a manually controlled three way valve switch, drawing 1 fig-7 which when worn is secured to the persons arm just above the wrist using an elastic strap or wrist band, drawing 4 fig-5. The hand held three way valve switch, with a button type, finger controlled, air release valve, allowing for air pressure increase or decrease by the us r, drawing I fig-7, has thre air lines xtending from the back side of

the valve. Leading up the user's arm, down the persons back or side and connecting to the pre set air speed control valve, located at the top outlet of the nine ounce refillable CO2 supply tank, drawing 3A fig-6, is the CO2 feeder or supply line, drawing 4 fig-8. The CO2 supply tank which also has a pre set regulator, pressure adjustment, and on and off valve, drawing 3A fig-1,2,3 is strapped to the persons waist belt by three fastener straps, which wrap around the tank and belt, providing a secure fit of the tank to the persons waist, drawing 3B fig-1&2. The shoe line, drawing 4 fig-9 which also originates from the three way valve switch located on the persons lower arm, extends mostly in the same direction, continuing to extend down past the person's waist and into the lower pant leg, eventually finding its way into the shoe and connecting to the shoe cylinder air pressure in and out port, drawing 1 fig-20 & drawing 2 fig-10. The Shoe cylinder, fitted and concealed in the heel of the shoe, drawing 1 fig-17, consists of a cylindrical ton shaft and n platform, drawing 2 fig-6,7,8 which when extended pushes the person upwards creating the lift required. The waste line, drawing 4 fig-10 which extends up the persons arm, and wrapping over the back of the persons shoulder, has an inline air speed control valve which is also manually pr set. In p rforming th levitation and

for the user to acquire the lift position, activation of the CO2 supply line is required, drawing 4 fig-8. Maneuvering the button like lever on the three way valve switch in an upward position slowly opens the CO2 shoe line and supply line and closes the waste line simultaneously allowing or forcing the air flow pressure down the shoe line and into the shoe cylinder, Drawing 1. Once in the cylinder the air pressure one hundred and thirty five P.S.I slowly forces the cylinder piston shaft and platform out from the bottom of the shoe heel, which results in producing the lift, drawing 2 fig-6,7. In performing the levitation and for the user to acquire the down position the operation works in reverse. Deactivation of the CO2 supply line is required, drawing 4 fig-8. Maneuvering the button like lever on the three way valve switch in a downward position, slowly closes the CO2 supply line and opens the waste line simultaneously, allowing the air flow pressure in the shoe line to decrease by redirecting and exiting out the waste line, there is a pre set in line air speed control valve on the waste line to allow for slow air line pressure decrease, drawing 1. As the air pressure in the shoe cylinder slowly decreases, the cylinder piston shaft relinquishes its position, to attain its normal position back inside the shoe cylind r, which results in complete descent.